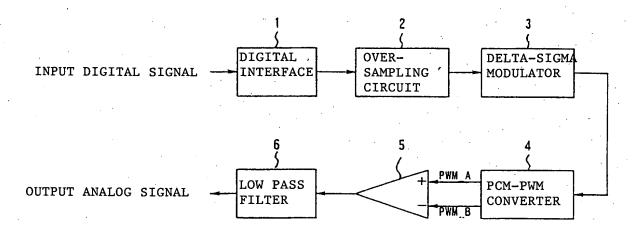
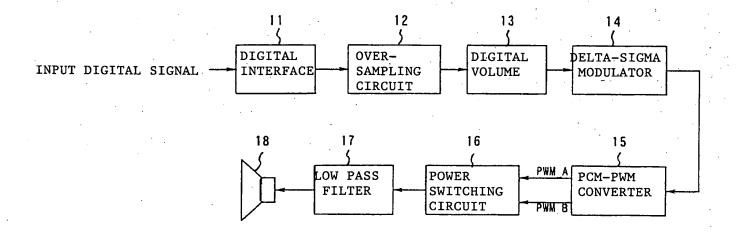
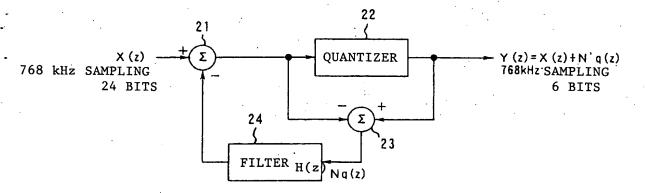
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## FIG.1





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FIG.4A

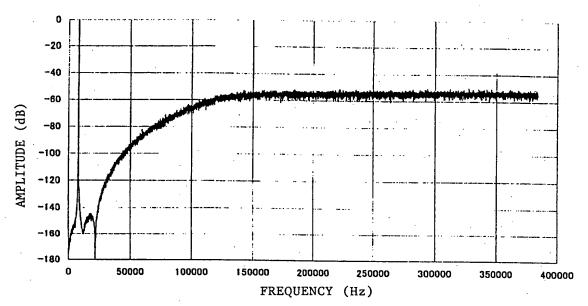
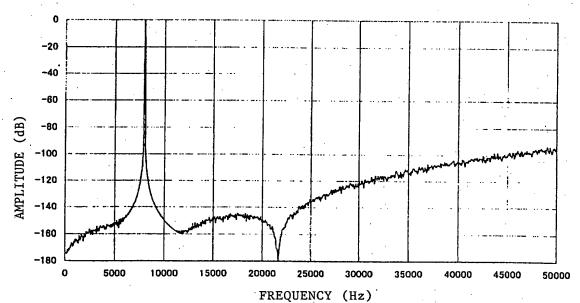
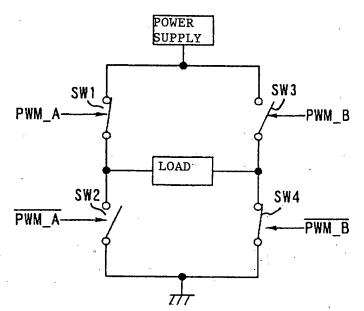


FIG.4B

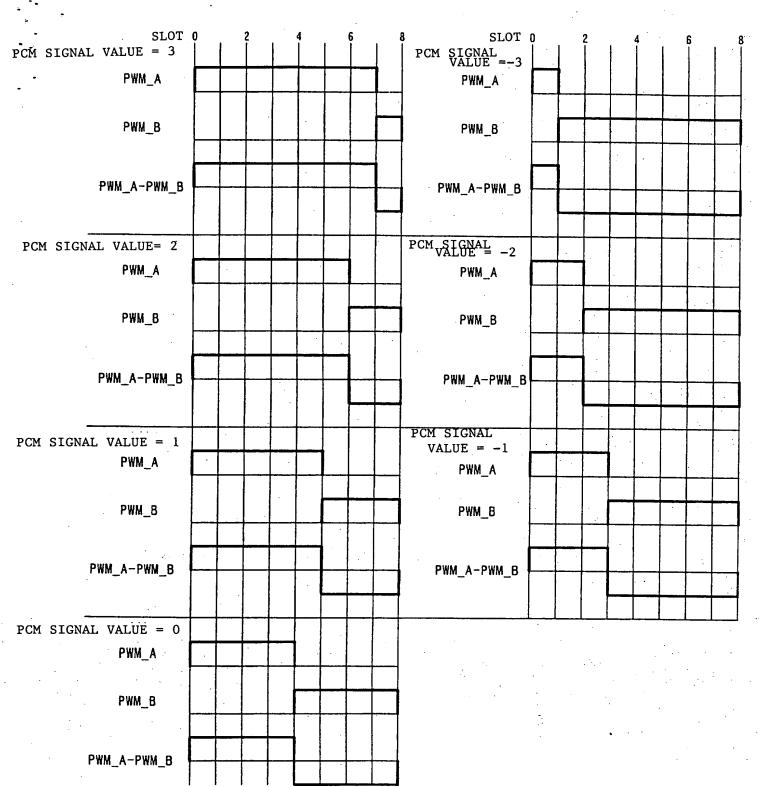


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FIG.5



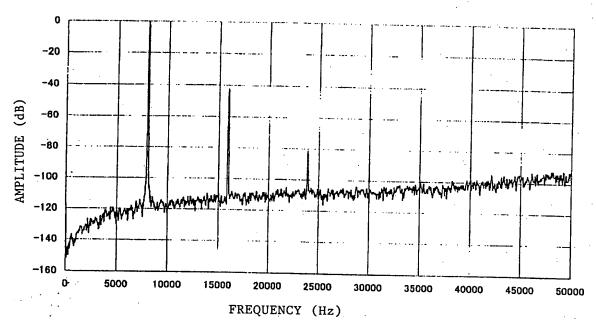
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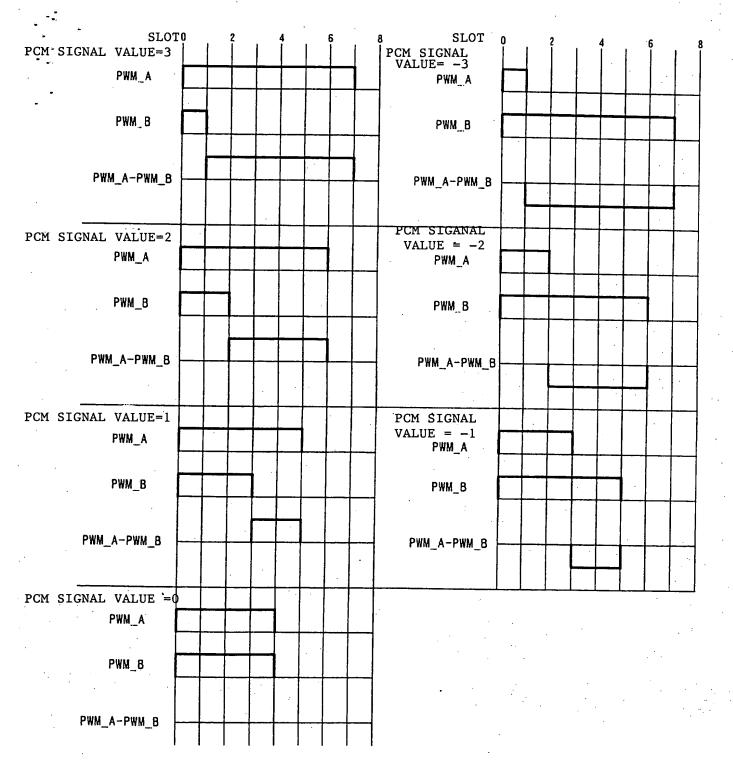
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FIG. 7

#### SPECTRUM OF SINGLE-SIDED BINARY PWM



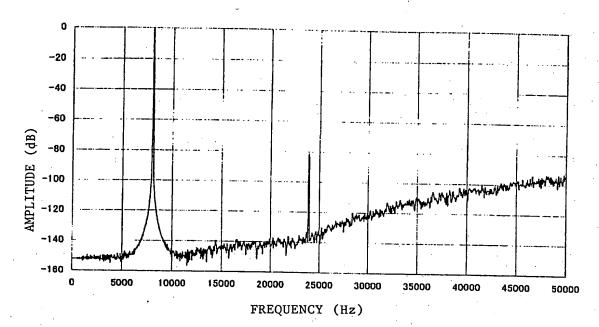
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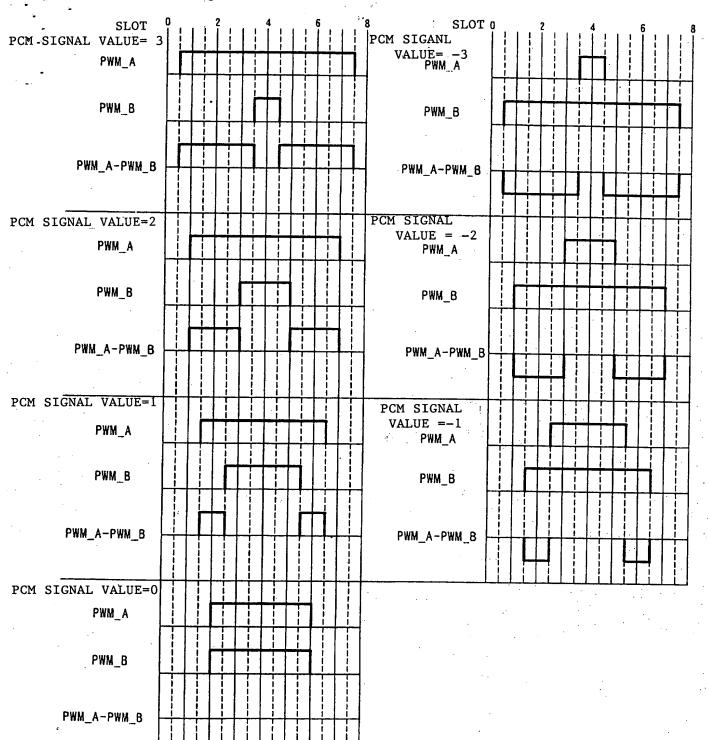
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FIG.9

### SPECTRUM OF SINGLE-SIDED THREE-VALUED PWM



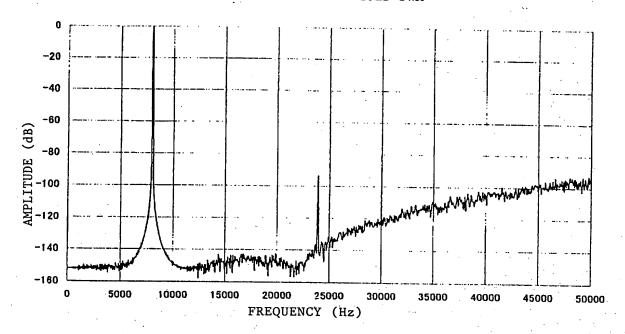
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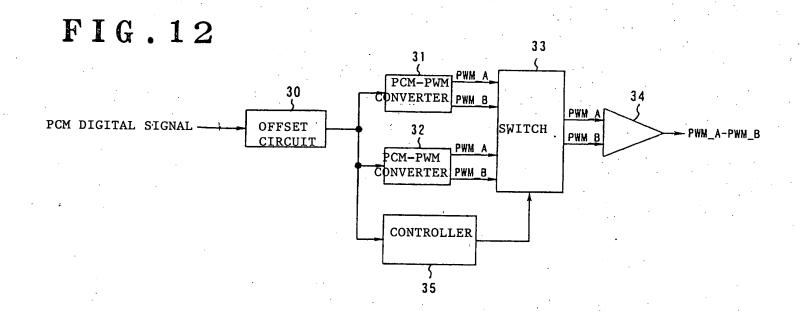


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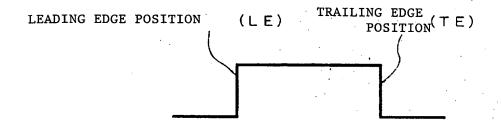
### FIG. 11

### SPECTRUM OF DOUBLE-SIDED THREE-VALUED PWM



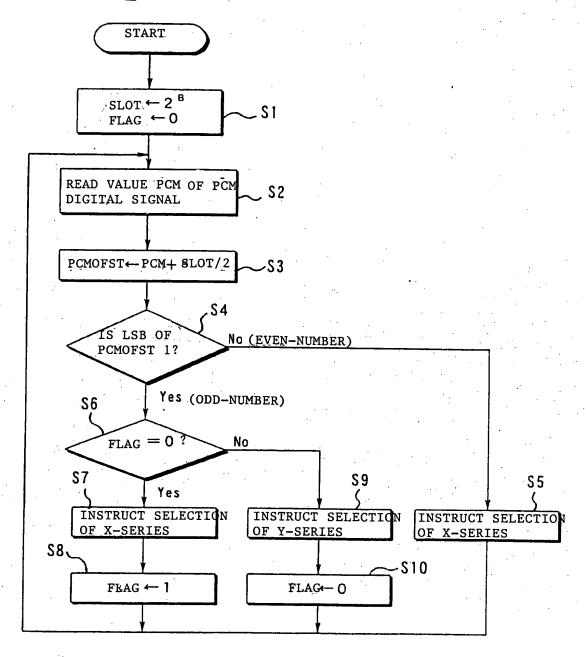


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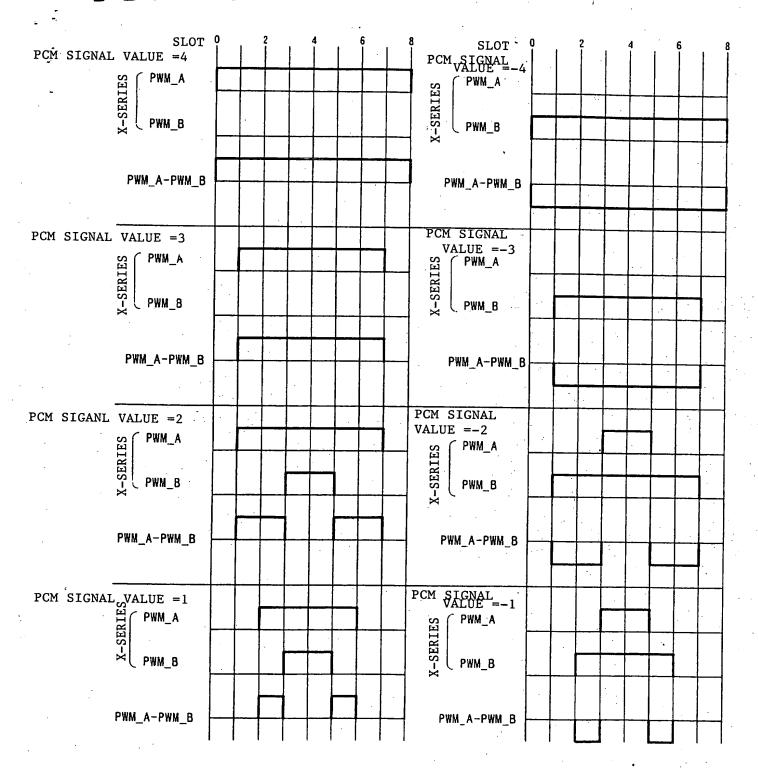


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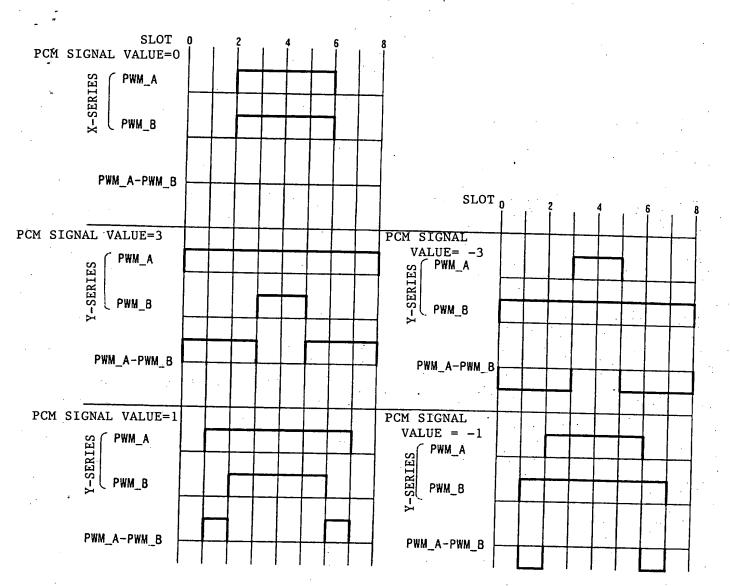
FIG. 14



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FIG. 17

SPECTRUM OF PWM USING ONLY X-SERIES

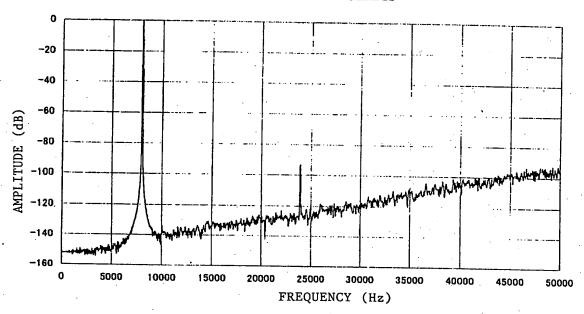


FIG.18

SPECTRUM OF PWM USING X-SERIES AND Y-SERIES

